SBS Technologies

2400 Louisiana Blvd., NE
Albuquerque, NM 87110
Tel: 505-875-0600 • Fax: 505-875-0400

AVC-cPCI-3000-3U   www.sbs.com

The AVC-cPCI 3000 is well suited for integration into tight spaces that typify rugged environments. At 3.5" H, 10.75" W, and 12.8" L the AVC is both strong and lightweight. At its core, a robust power supply, along with a PowerPC-based RL4 Single Board Computer (SBC) easily integrates with other CompactPCI modules to deliver reliable, cost-effective performance that you can leverage for use across and within programs.

The AVC-cPCI includes a 1553 interface, and high-speed serial and discrete I/O modules. For added reliability, SBS utilizes a CompactPCI transition module instead of a wiring harness.

For more information, contact info@sbs.com.

RSC #13801 @www.compactpci-systems.com/catalogrsc

FEATURES:

- Modified COTS RCOM03 conductive cooled chassis
- Three 3U slots, up to five with optional backplane
- 65-watt power supply
- Tested to MIL-STD-461E, MIL-STD-1540C, and MIL-STD-1553B
- VxWorks®, LynxOS® support
- Lightweight – less than 9 pounds (4.08 kg)

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AVC-cPCI-3003-3U   www.sbs.com

AVC-cPCI 3003 provides a rugged, yet highly flexible COTS computing platform suited for military aviation, civilian aviation, and other applications requiring rock-solid reliability such as UAVs, booster vehicles, and ground vehicles. Manufactured using Electrical Discharge Machining (EDM) and milling, the aluminum alloy (6061-T6) is strong, lightweight, and resistant to EMI. Instead of a wiring harness, the AVC reduces weight and increases reliability by using a lightweight printed circuit board (PCB) to route all internal I/O to the external front panel.

For more information, contact info@sbs.com.

RSC #13802 @www.compactpci-systems.com/catalogrsc

FEATURES:

- Lightweight – less than 11 pounds (4.9 kg) including modules
- Compact for use in small spaces
- Six, 3U CompactPCI slots
- CM4 single board computer with 750/755 400-500 MHz processor, two 1 MB L2 cache, 1.6 GB/s
- MIL-C-38999 Series III connectors
- COTS AVC rugged conduction cooled chassis

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6U cPCI Single Board Computer

www.sbs.com

CK5 is a rugged 6U CompactPCI single board computer offered as an upgrade for the K2CC and CK3 rugged CompactPCI SBC with increased processor speeds, system bus and memory bus speeds, and system memory capacities. The CK5 hosts the PPC G4 MPC7447A processor from Motorola®, with core processor speeds up to 1 GHz, and 512 KB of onboard L2 cache. The MPC7447A processor is supported with a 167 MHz MPX system bus.

The CK5 integrates the Marvell® MV64460 (Discovery III) System Controller bridge chip, which includes a high-speed SDRAM controller with 167 MHz interface, multiple 10/100Base-Tx Ethernet MACs, and two 64-bit PCI buses. It also includes two MPSC ports and 32 multi-purpose I/O pins. The CK5 offers DDR SDRAM densities of 256 MB or 512 MB.

The CK5 includes eight programmable GPIO ports with independent interrupts. Each port can be programmed for direction, input polarity, output type, and interrupt mask. The CK5 hosts two IEEE1386.1 PMC sites for expanding I/O capability with WAN or LAN I/O. The CK5 retains the same backplane PMC interfaces as the CK3 to support existing applications. PMC0 site is attached to the dedicated PCI bus 0 and can be run in any standard local PCI bus configuration. PMC1 site shares PCI bus 1 with CompactPCI backplane interface and USB 2.0 controller and is configured for 33 or 66 MHz.

The CK5 implements the PCI 6254 PCI/cPCI Bridge that allows the CK5 to operate as a system controller or peripheral processor card. The CK5 is offered as a ruggedized conduction-cooled processor card and also in a convection-cooled configuration.

The CK5 brings the latest technology to a single board computer designed for rugged environments. SBS Technologies' Ready Driver™ VxWorks software ensures that the CK5 also provides an easy upgrade path for those systems designed with the SBS' 500 MHz CK3.

FEATURES:

- Motorola® MPC7447A G4 host processor with 512 KB on-chip L2 cache
- Marvell® MV64460 PowerPC System Controller (Discovery III) bridge chip
- Ethernet 10/100 port to backplane (convection and conduction-cooled versions)
- Two IEEE 1386.1 PMC extension slots
- Two RS-232 serial I/O ports (COM1 and COM2)
- Four RS-422 serial I/O ports (COM3 – COM6)
- Two USB 2.0 ports
- Extended temperature range (–40°C to 85°C)
- Eight programmable GPIO ports with independent interrupts
- Soldered boot Flash 128 MB with multi-level write protection
- Two PCI bus interfaces
- 128 MB Flash memory

For more information, contact info@sbs.com.

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